Attorney's Docket No.: 42390 P8533

MAY 0 7 2002

Patent

IN THE UNITED STATES RATENT AND TRADEMARK OFFICE

In Re Application of:

Jin Yang

Application No. 09/608,856

Filed: June 30, 2000

For: METHODS FOR PERFORMING

GENERALIZED TRAJECTORY

EVALUATION

Examiner: Unassigned

Art Unit: 2123

Assistant Commissioner for Patents Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Assistant Commissioner for Patents, Washington, D. C. 20231 on ate of Deposit) Typed or printed name of person mailing correspondence) Signature of person mailing correspondence)

Pursuant to 37 C.F.R. § 1.97, the submission of this Information

Disclosure Statement is not to be construed as a representation that a search

has been made and is not to be construed as an admission that the information

cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

X	37 C	.F.R. §1.97(b).
		C.F.R. §1.97(c). If so, then enclosed with this Information closure Statement is <u>one</u> of the following:
	A state	ement pursuant to 37 C.F.R. §1.97(e) or
	A ched	ck for \$ <u>180.00</u> for the fee under 37 C.F.R. § 1.17(p).
		C.F.R. §1.97(d). If so, then enclosed with this Information closure Statement are the following:
	(1)	A statement pursuant to 37 C.F.R. §1.97(e);
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	. (3)	A check for \$ for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

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Substitute for Form 1449	A/PTO (Modified)	Attorney Docket No.: 42390.P8533	Application Number: 09/608,856
Sheet 1 of 4	MAY 0 7 2002	First Named Inventor: Jin Yang	Examiner: Unassigned
	PADEMARK OFF	Filing Date: June 30, 2000	Art Unit: 2123

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No.¹	U.S. Patent Document Number Kind Code² (If known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,469,367		Puri et al	11-21-1995	
		5,491,639		Filkorn	02-13-1996	
		5,594,656		Tamisier	01-14-1997	
		5,754,454		Pixley et al	05-19-1998	
		5,768,498		Boigelot, et al	06-16-1998	
		5,905,977		Goubault	05-18-1999	
	· · · · · · · · · · · · · · · · · · ·	5,937,183		Ashar et al	06-10-1999	
		6,026,222		Gupta et al RECEIVED	02-15-2000	
		6,035,109		Asharetar	03-07-2000	
		6,086,626		Jain et al MAY 0 8 2002	07-11-2000	
		6,131,078		Plaisted Technology Cont.	10-10-2000	
		6,148,436		Plaisted Technology Center 2100	11-14-2000	
		6,185,516		Hardin et al	02-06-2001	
		6,209,120		Kurshan et al	03-27-2001	
		6,247,165	;	Wohl et al	06-12-2001	
		6,292,916		Abramovici et al	09-18-2001	
		6,301,687		Jain et al	10-09- 2001	
		6,308,299	·	Burch et al	10-23- 2001	
	*****	6,321,186		Yuan et al	11-20- 2001	
		6,339,837		Li	01-15-2002	

Examiner	Date Consider	ed
Signature		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

Substitute for For (use as many	m 1449A/PTO (Modifies) P sheets as necessary)	Attorney Docket No.: 42390.P8533	Application Number: 09/608,856		
MAY 0 7 2002 Sheet 2 of 4		First Named Inventor: Jin Yang	Examiner: Unassigned		
511CCt 2 01 4	PRADEMARN OF	Filing Date: June 30, 2000	Art Unit: 2123		
	OTHER ART – NO PATENT	LITERATURE DOCUMENTS			
Examiner Cite No ¹	Include name of the author (in CAPITAL LI of the item (book, magazine, journal, seria issue number(s), publisher, o				
	BEREZIN, S. et al, "A Compositional Pro- Technical Report CMU-CS-97-105, Carne	egie Mellon University, January 15,	1997		
	BEREZIN, S. et al, "Model Checking Algo CMU-CS-96-180, Carnegie Mellon Univer		cal Report		
	BRYANT, R. E. et al, "Formal Hardware Evaluation," 28 th ACM/IEEE Design Auto 397-402				
	BRYANT, R. E., "Binary Decision Diagram Mellon University, 1995	ns & Beyond," Tutorial at ICCAD '9	5, Carnegie		
	BURCH, J. R. et al, "Representing Circuit Checking," 28 th ACM/IEEE Design Autor 403-407		el MAY O		
	BURCH, J. R. et al, "Sequential Circuit V 27th ACM/IEEE Design Automation Confe		- CI		
	CAMPOS, S., "Real-Time Symbolic Mode Technical Report CMU-CS-94-146, Carne 1994		s," \$\frac{1}{4} \text{ R} \frac{1}{1}		
	CHAN, W. et al, "Combining Constraint S Class of Systems with Non-linear Constraint International Conference, CAV '97 Proces Computer Science 1254, pages 316-327, (Revised in December '98)	aints, <i>Computer Aided Verification,</i> <i>pedings (O. Grumberg, Editor),</i> Lect	gh cure Notes in		
	CHEN, Y. et al, "PBHD: An Efficient Gra Verification," <i>Technical Report CMU-CS</i>				
	CHEUNG, S. et al, "Checking Safety Prop Analysis," ACM Transactions on Softward January 1999, pages 49-78	e Engineering and Methodology, Vo	ol. 8, No. 1,		
	CHIODO, M. et al, "Automatic Compositi Proceedings of 1992 IEEE/ACM International November, 1992, pages 172-178				

Examiner Date
Signature Considered

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)			Attorney Docket No.: 42390.P8533	Application Number 09/608,856			
Sheet 3 of 4 MAY 0 7 2002		0 1 7002	First Named Inventor: Jin Yang	Examiner: Unassigned Art Unit: 2123			
		MAY U . ZOO	Filing Date: June 30, 2000				
		OTHER ART - NO PATENT	LITERATURE DOCUMENTS	*****			
Examiner Initials*	Cite No¹	Include name of the author (in CAPITAL Li of the item (book, magazine, journal, seria issue number(s), publisher, o	ETTERS), title of the article (when app il, symposium, catalog, etc.), date, pag city and/or country where published	propriate), title e(s), volume-	Tra	nslatio	n²
		CHOU, C., "The Mathematical Foundation International Conference on Computer-1999 pp. 196-207, Proceedings of CAV'9 (Editors: Nicolas Halbwachs & Doron Pe	Aided Verification(CAV'99), Trento, 99, Lecture Notes in Computer Scie led), Springer-Verlog, 1999	Italy, July ence #1633			
		CLARKE, E. et al, "Another Look at LTL Model Checking," <i>Technical Report CMU-CS-94-114, Carnegie Mellon University,</i> February 23, 1994					
		CLARKE, E. et al, "Combining Symbolic (Problems of Ramanujan," <i>Technical Rep</i> <i>University</i> , January 1994					
		CLARKE, E. M. et al, "Formal Methods: Computing Surveys, Vol. 28, No. 4, Dece		ons," ACM	echn	3	1
		CLARKE, E. M. et al, "Model Checking ar SIGPLAN-SIGACT Symposium on Princip 1992, pages 343-354			ology C	MAY 0 8	
		CLARKE, E. M. et al, "Model Checking ar Programming Languages and Systems, V 1542			echnology Center 2	2002	ALL
		GRUMBERG, O., "Model Checking and Modular Verification," ACM Transactions On Programming Languages and Systems, Vol. 16, No. 3, May 1994, pages 843-871					
		JACKSON, D., "Exploiting Symmetry in the Specifications," <i>Technical Report CMU-C</i> December 1994		ity,			
		JAIN, A. et al, "Verifying Nondeterminist Lecture Notes in Computer Science, Ford 109-125, November 1996	•	, ,			

Examiner	Date	
Signature	Considered	

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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		TRADEMARK DE	Filing Date: June 30, 2000	Art Unit: 2123			
			LITERATURE DOCUMENTS				٦
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL L. of the item (book, magazine, journal, seria issue number(s), publisher, o			Trai	nslation ²	
		JAIN, A., "Formal Hardware Verification Mellon University Ph.D. Dissertation, Ju		," Carnegie			1
		JAIN, S. et al, "Automatic Clock Abstract the 32 nd ACM/IEEE Conference on Design		ceedings of			
JHA, S. et al, "Equivalence Checking Using Abstract BBDs," Technical Report 96-187, Carnegie Mellon University, Pittsburgh, PA, October 29, 1996 KERN, C. et al, "Formal Verification In Hardware Design: A Survey," ACM on Design Automation of Electronic Systems, Vol. 4, No. 2, April 1999, page KURSHAN, R. et al, "Verifying Hardware in its Software Context," Proceeding 19th ACM SIGPLAN-SIGACT Symposium on Principles of Programming Langer February 1992, pages 742-749				ort CMU-CS-			1
					1120		1
				Technology	MAY (東土	
		NELSON, K. L. et al, "Formal Verification of a Superscalar Execution Unit," 34 th Design Automation Conference, June 1997				V 0 8 2002	+
		TUYA, J. et al, "Using a Symbolic Model Checker for Verify Safety Properties in SA/RT Models," <i>Proceeding of the 5h European Software Engineering Conference, Lecture Notes in Computer Science,</i> Vol. 989, Springer-Verlag, Berlin, 1995, pages 59-75					₹ 1
		TUYA, J. et al, "Using a Symbolic Model Checker for Verify Safety Properties in SA/RT Models," Proceeding of the 5h European Software Engineering Conference, Lecture Notes in Computer Science, Vol. 989, Springer-Verlag, Berlin, 1995, pages 59-75 VELEV, M. N., "Efficient Modeling of Memory Arrays in Symbolic Simulations," Proceedings of Computer-Aided Verification, June 1997					T
		WING, J. M. et al, "A Case Study in Mod Report CMU-CS-96-124, Carnegie Mellor	University, Pittsburgh, PA, April 1	996			
	YEH, W. et al, "Compositional Reachability Analysis Using Process Algebra," 28 th ACM/IEEE Design Automation Conference, 1991						

Date

Examiner

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